70,00/0(A 70,00/03A 711017

MAR

12

1985 Shionogi Seiyaku Kabushiki Kaisha

CARBOXYALKENAMIDOCEPHALOSPORINS

Inventor: Yoshio Hamashima

- Abstract -

RB 6/18/86

An antibacterial 7beta-(carboxyalkenoyl)amino-3-cephem 4-carboxylic acid represented by the following formula:

R-C-CONH X

CR¹ O N R⁵

R²-COOR² COOR⁶

(wherein or a heterocyclic group;

R' is hydrogen or halogen;

R² is a single bond, alkylene, or thiaalkylene;

R3 is a hydrogen atom or carboxy modifying group;

R' is hydrogen or methoxy;

 \mathbb{R}^{5} is hydrogen or a 3-substituent of cephalosporins;

R6 is a hydrogen atom or carboxy modifying group; and

x is oxygen, sulfur, or sulfinyl)

a pharmaceutical composition containing the same, and a method for treating a bacterial infection with the same.

Q3/18/85 711017 Q3/18/85 711017 3 101 300.00 CK 3(103) 80.00 CK